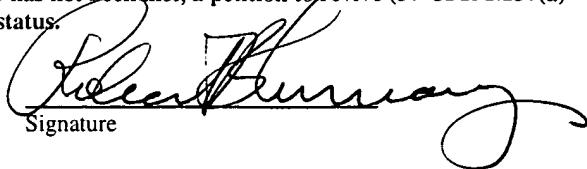


FORM PTO-1390		U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No.
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				2946-188
				U.S. Application No. (if known, see 37 CFR 1.5) 10/522,707
INTERNATIONAL APPLICATION NO. PCT/JP03/009553	INTERNATIONAL FILING DATE July 28, 2003		PRIORITY DATE CLAIMED 7/31/02; 11/18/02; 1/27/03	
TITLE OF INVENTION PROTON CONDUCTOR GAS SENSOR				
APPLICANT(S) FOR DO/EO/US Tomohiro INOUE, Hideki OKOSHI, Kazunari KANEYASU				
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:				
<p>1. <input type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371</p> <p>2. <input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>				
ITEMS 11. TO 20. below concern other document(s) or information included:				
<p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: Copy of Notification of Missing Requirements</p>				

U.S. APPLICATION NO. (If known, see 37 CFR 1.50) 10/522,707	INTERNATIONAL APPLICATION NO. PCT/JP03/009553	ATTORNEY DOCKET NO. 2946-188																					
21. The following fees are submitted: Basic National Fee (37 CFR 1.492)(a)(1)-(5):		<u>CALCULATIONS</u> <u>PTO USE ONLY</u>																					
a) Basic national Fee \$300.00 b) Examination fee \$200.00 c) Search fee \$500.00																							
TOTAL OF ABOVE CALCULATIONS =		\$																					
Surcharge of \$130.00 for furnishing the oath or declaration later than [] 20 [x] 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$130																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Claims</th> <th style="text-align: left; padding: 2px;">Number Filed</th> <th style="text-align: left; padding: 2px;">Number Extra</th> <th style="text-align: left; padding: 2px;">Rate</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Total Claims</td> <td style="padding: 2px;">9 -20 =</td> <td style="padding: 2px;"></td> <td style="padding: 2px;">X \$50.00</td> </tr> <tr> <td style="padding: 2px;">Independent Claims</td> <td style="padding: 2px;">3 - 3 =</td> <td style="padding: 2px;"></td> <td style="padding: 2px;">X \$200.00</td> </tr> <tr> <td colspan="2" style="padding: 2px;">Multiple dependent claim(s) (if applicable)</td> <td style="padding: 2px;"></td> <td style="padding: 2px;">+ \$360.00</td> </tr> <tr> <td colspan="2" style="text-align: right; padding: 2px;">TOTAL OF ABOVE CALCULATIONS =</td> <td style="padding: 2px;">\$130</td> <td style="padding: 2px;"></td> </tr> </tbody> </table>				Claims	Number Filed	Number Extra	Rate	Total Claims	9 -20 =		X \$50.00	Independent Claims	3 - 3 =		X \$200.00	Multiple dependent claim(s) (if applicable)			+ \$360.00	TOTAL OF ABOVE CALCULATIONS =		\$130	
Claims	Number Filed	Number Extra	Rate																				
Total Claims	9 -20 =		X \$50.00																				
Independent Claims	3 - 3 =		X \$200.00																				
Multiple dependent claim(s) (if applicable)			+ \$360.00																				
TOTAL OF ABOVE CALCULATIONS =		\$130																					
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.		\$0																					
SUBTOTAL =		\$130																					
Processing fee of \$130.00 for furnishing the English translation later than [] 20 [] 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		\$0																					
TOTAL NATIONAL FEE =		\$130																					
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		\$0																					
TOTAL FEES ENCLOSED =		\$130																					
08/15/2005 MKAYPAGH 00000135 022135 10522707 01 FC:1617 130.00 DA		Amount to be refunded \$ charged \$ 																					
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. 02-2135 in the amount of \$ <u>130</u> to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-2135. A duplicate copy of this sheet is enclosed.																							
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.																							
SEND ALL CORRESPONDENCE TO: Customer No. 6449  Signature Robert B. Murray Name																							
Rothwell, Figg, Ernst & Manbeck 1425 K St., N.W. Washington, D.C. 20005 Phone: 202/783-6040 22,980 Registration Number																							



PCT/PTO

Page 1 of 2
10 AUG 2005

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/522,707	Tomohiro Inoue	2946-188
INTERNATIONAL APPLICATION NO.		
PCT/JP03/09553		
LA. FILING DATE		PRIORITY DATE
07/28/2003		07/31/2002
CONFIRMATION NO. 7455		
371 FORMALITIES LETTER		
OC000000016234965		

Date Mailed: 06/10/2005

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 01/28/2005
- English Translation of the IA filed on 01/28/2005
- Copy of the International Search Report filed on 01/28/2005
- Copy of IPE Report filed on 01/28/2005
- Copy of Annexes to the IPER filed on 01/28/2005
- Preliminary Amendments filed on 01/28/2005
- Information Disclosure Statements filed on 01/28/2005
- U.S. Basic National Fees filed on 01/28/2005
- Priority Documents filed on 01/28/2005
- Specification filed on 01/28/2005
- Claims filed on 01/28/2005
- Abstracts filed on 01/28/2005
- Drawings filed on 01/28/2005

RECEIVED/FACILITIES
ROTHWELL, FIGG, ERNST & MANBECK
FILE NO. 2946-188
PAO: PROG. INIT.

JUN 13 2005 MB

28M

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- \$130 Surcharge for providing the oath or declaration later than 30 months from the priority date (37 CFR 1.492(e)) is required.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

- \$130 Late oath or declaration Surcharge.

Additionally the following defects have been observed:

- The translations of Annexes are canceled since the translations were not submitted prior to 30 months the priority date.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

BARBARA A CAMPBELL

Telephone: (703) 308-9140 EXT 217

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/522,707	PCT/JP03/09553	2946-188

FORM PCT/DO/EO/905 (371 Formalities Notice)